

Title (en)

SCANNER DISK FOR AN OPTICAL POSITION MEASURING DEVICE

Title (de)

ABTASTPLATTE FÜR EINE OPTISCHE POSITIONSMESSEINRICHTUNG

Title (fr)

PLAQUE DE BALAYAGE POUR UN DISPOSITIF DE MESURE DE POSITION OPTIQUE

Publication

EP 3438618 B1 20210818 (DE)

Application

EP 18170368 A 20180502

Priority

DE 102017213330 A 20170802

Abstract (en)

[origin: US2019041243A1] A scanning reticle for an optical position measuring device includes a substrate having an upper surface, operating in transmission, and having different functional regions. The upper surface includes at least one region having a grating made up of gaps and ribs, the ribs being formed in the substrate. The upper surface includes an antireflection layer, which is discontinuous in the region of the gaps.

IPC 8 full level

G01D 5/38 (2006.01)

CPC (source: CN EP US)

G01D 5/34715 (2013.01 - US); **G01D 5/38** (2013.01 - CN EP US); **G02B 1/11** (2013.01 - CN); **G02B 1/115** (2013.01 - US); **G02B 5/1814** (2013.01 - CN); **G02B 5/1861** (2013.01 - CN); **G02B 5/1871** (2013.01 - US)

Cited by

US10802185B2; US11686890B2; US10712475B2; US11543562B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3438618 A1 20190206; **EP 3438618 B1 20210818**; CN 109387232 A 20190226; DE 102017213330 A1 20190207; JP 2019028059 A 20190221; JP 7064391 B2 20220510; US 10914615 B2 20210209; US 2019041243 A1 20190207

DOCDB simple family (application)

EP 18170368 A 20180502; CN 201810870589 A 20180802; DE 102017213330 A 20170802; JP 2018113513 A 20180614; US 201816048740 A 20180730